

13



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/743,752A

DATE: 04/03/2003
 TIME: 14:25:11

Input Set : A:\pf0559usn_seqlist.txt
 Output Set: N:\CRF4\04032003\I743752A.raw

5 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
 6 BANDMAN, Olga
 7 TANG, Y. Tom
 8 CORLEY, Neil C.
 9 AZIMZAI, Yalda
 10 BAUGHN, Mariah R.
 12 <120> TITLE OF INVENTION: HUMAN SCAD-RELATED MOLECULES, SCRM-1 AND SCRM-2
 14 <130> FILE REFERENCE: PF-0559 USN
 16 <140> CURRENT APPLICATION NUMBER: 09/743,752A
 C--> 17 <141> CURRENT FILING DATE: 2003-02-11
 19 <150> PRIOR APPLICATION NUMBER: PCT/US9916164
 20 <151> PRIOR FILING DATE: 1999-07-16
 22 <150> PRIOR APPLICATION NUMBER: US 09/116,750
 23 <151> PRIOR FILING DATE: 1998-07-16
 25 <150> PRIOR APPLICATION NUMBER: US 60/160,074
 26 <151> PRIOR FILING DATE: 1998-07-16
 28 <160> NUMBER OF SEQ ID NOS: 6
 30 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 278
 34 <212> TYPE: PRT
 35 <213> ORGANISM: HOMO SAPIENS
 37 <220> FEATURE:
 38 <221> NAME/KEY: misc_feature
 39 <223> OTHER INFORMATION: Incyte Clone No: 1240869
 41 <400> SEQUENCE: 1
 42 Met His Met Ala Arg Leu Leu Gly Leu Cys Ala Trp Ala Arg Lys Ser
 43 1 5 10 15
 44 Val Arg Met Ala Ser Ser Arg Met Thr Arg Arg Asp Pro Leu Thr Asn
 45 20 25 30
 46 Lys Val Ala Leu Val Thr Ala Ser Thr Asp Gly Ile Gly Phe Ala Ile
 47 35 40 45
 48 Ala Arg Arg Leu Ala Gln Asp Arg Ala His Val Val Val Ser Ser Arg
 49 50 55 60
 50 Lys Gln Gln Asn Val Asp Gln Ala Val Ala Thr Leu Gln Gly Glu Gly
 51 65 70 75 80
 52 Leu Ser Val Thr Gly Thr Val Cys His Val Gly Lys Ala Glu Asp Arg
 53 85 90 95
 54 Glu Arg Leu Val Ala Thr Ala Val Lys Leu His Gly Gly Ile Asp Ile
 55 100 105 110
 56 Leu Val Ser Asn Ala Ala Val Asn Pro Phe Phe Gly Ser Ile Met Asp
 57 115 120 125
 58 Val Thr Glu Glu Val Trp Asp Lys Thr Leu Asp Ile Asn Val Lys Ala

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/743,752A

DATE: 04/03/2003

TIME: 14:25:11

Input Set : A:\pf0559usn_seqlist.txt
Output Set: N:\CRF4\04032003\I743752A.raw

59 130 135 140
60 Pro Ala Leu Met Thr Lys Ala Val Val Pro Glu Met Glu Lys Arg Gly
61 145 150 155 160
62 Gly Gly Ser Val Val Ile Val Ser Ser Ile Ala Ala Phe Ser Pro Ser
63 165 170 175
64 Pro Gly Phe Ser Pro Tyr Asn Val Ser Lys Thr Ala Leu Leu Gly Leu
65 180 185 190
66 Asn Asn Thr Leu Ala Ile Glu Leu Ala Pro Arg Asn Ile Arg Val Asn
67 195 200 205
68 Cys Leu Ala Pro Gly Leu Ile Lys Thr Ser Phe Ser Arg Met Leu Trp
69 210 215 220
70 Met Asp Lys Glu Lys Glu Ser Met Lys Glu Thr Leu Arg Ile Arg
71 225 230 235 240
72 Arg Leu Gly Glu Pro Glu Asp Cys Ala Gly Ile Val Ser Phe Leu Cys
73 245 250 255
74 Ser Glu Asp Ala Ser Tyr Ile Thr Gly Glu Thr Val Val Val Gly Gly
75 260 265 270
76 Gly Thr Pro Ser Arg Leu
77 275
79 <210> SEQ ID NO: 2
80 <211> LENGTH: 564
81 <212> TYPE: PRT
82 <213> ORGANISM: HOMO SAPIENS
84 <220> FEATURE:
85 <221> NAME/KEY: misc_feature
86 <223> OTHER INFORMATION: Incyte Clone No: 2060002
88 <400> SEQUENCE: 2
89 Met Ser Tyr Pro Ala Asp Asp Tyr Glu Ser Glu Ala Ala Tyr Asp Pro
90 1 5 10 15
91 Tyr Ala Tyr Pro Ser Asp Tyr Asp Met His Thr Gly Asp Pro Lys Gln
92 20 25 30
93 Asp Leu Ala Tyr Glu Arg Gln Tyr Glu Gln Gln Thr Tyr Gln Val Ile
94 35 40 45
95 Pro Glu Val Ile Lys Asn Phe Ile Gln Tyr Phe His Lys Thr Val Ser
96 50 55 60
97 Asp Leu Ile Asp Gln Lys Val Tyr Glu Leu Gln Ala Ser Arg Val Ser
98 65 70 75 80
99 Ser Asp Val Ile Asp Gln Lys Val Tyr Glu Ile Gln Asp Ile Tyr Glu
100 85 90 95
101 Asn Ser Trp Thr Lys Leu Thr Glu Arg Phe Phe Lys Asn Thr Pro Trp
102 100 105 110
103 Pro Glu Ala Glu Ala Ile Ala Pro Gln Val Gly Asn Asp Ala Val Phe
104 115 120 125
105 Leu Ile Leu Tyr Lys Glu Leu Tyr Tyr Arg His Ile Tyr Ala Lys Val
106 130 135 140
107 Ser Gly Gly Pro Ser Leu Glu Gln Arg Phe Glu Ser Tyr Tyr Asn Tyr
108 145 150 155 160
109 Cys Asn Leu Phe Asn Tyr Ile Leu Asn Ala Asp Gly Pro Ala Pro Leu
110 165 170 175

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/743,752A

DATE: 04/03/2003

TIME: 14:25:11

Input Set : A:\pf0559usn_seqlist.txt
Output Set: N:\CRF4\04032003\I743752A.raw

111 Glu Leu Pro Asn Gln Trp Leu Trp Asp Ile Ile Asp Glu Phe Ile Tyr
112 180 185 190
113 Gln Phe Gln Ser Phe Ser Gln Tyr Arg Cys Lys Thr Ala Lys Lys Ser
114 195 200 205
115 Glu Glu Glu Ile Asp Phe Leu Arg Ser Asn Pro Lys Ile Trp Asn Val
116 210 215 220
117 His Ser Val Leu Asn Val Leu His Ser Leu Val Asp Lys Ser Asn Ile
118 225 230 235 240
119 Asn Arg Gln Leu Glu Val Tyr Thr Ser Gly Gly Asp Pro Glu Ser Val
120 245 250 255
121 Ala Gly Glu Tyr Gly Arg His Ser Leu Tyr Lys Met Leu Gly Tyr Phe
122 260 265 270
123 Ser Leu Val Gly Leu Leu Arg Leu His Ser Leu Leu Gly Asp Tyr Tyr
124 275 280 285
125 Gln Ala Ile Lys Val Leu Glu Asn Ile Glu Leu Asn Lys Lys Ser Met
126 290 295 300
127 Tyr Ser Arg Val Pro Glu Cys Gln Val Thr Thr Tyr Tyr Tyr Val Gly
128 305 310 315 320
129 Phe Ala Tyr Leu Met Met Arg Arg Tyr Gln Asp Ala Ile Arg Val Phe
130 325 330 335
131 Ala Asn Ile Leu Leu Tyr Ile Gln Arg Thr Lys Ser Met Phe Gln Arg
132 340 345 350
133 Thr Thr Tyr Lys Tyr Glu Met Ile Asn Lys Gln Asn Glu Gln Met His
134 355 360 365
135 Ala Leu Leu Ala Ile Ala Leu Thr Met Tyr Pro Met Arg Ile Asp Glu
136 370 375 380
137 Ser Ile His Leu Gln Leu Arg Glu Lys Tyr Gly Asp Lys Met Leu Arg
138 385 390 395 400
139 Met Gln Lys Gly Asp Pro Gln Val Tyr Glu Glu Leu Phe Ser Tyr Ser
140 405 410 415
141 Cys Pro Lys Phe Leu Ser Pro Val Val Pro Asn Tyr Asp Asn Val His
142 420 425 430
143 Pro Asn Tyr His Lys Glu Pro Phe Leu Gln Gln Leu Lys Val Phe Ser
144 435 440 445
145 Asp Glu Val Gln Gln Ala Gln Leu Ser Thr Ile Arg Ser Phe Leu
146 450 455 460
147 Lys Leu Tyr Thr Thr Met Pro Val Ala Lys Leu Ala Gly Phe Leu Asp
148 465 470 475 480
149 Leu Thr Glu Gln Glu Phe Arg Ile Gln Leu Leu Val Phe Lys His Lys
150 485 490 495
151 Met Lys Asn Leu Val Trp Thr Ser Gly Ile Ser Ala Leu Asp Gly Glu
152 500 505 510
153 Phe Gln Ser Ala Ser Glu Val Asp Phe Tyr Ile Asp Lys Asp Met Ile
154 515 520 525
155 His Ile Ala Asp Thr Lys Val Ala Arg Arg Tyr Gly Asp Phe Phe Ile
156 530 535 540
157 Arg Gln Ile His Lys Phe Glu Glu Leu Asn Arg Thr Leu Lys Lys Met
158 545 550 555 560
159 Gly Gln Arg Pro

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/743,752A

DATE: 04/03/2003
TIME: 14:25:11

Input Set : A:\pf0559usn_seqlist.txt
Output Set: N:\CRF4\04032003\I743752A.raw

162 <210> SEQ ID NO: 3
163 <211> LENGTH: 1280
164 <212> TYPE: DNA
165 <213> ORGANISM: HOMO SAPIENS
167 <220> FEATURE:
168 <221> NAME/KEY: misc_feature
169 <223> OTHER INFORMATION: Incyte Clone No: 1240869
172 <400> SEQUENCE: 3
173 gagtggAACc cagaCTtgct ggtctgatcc atgcacatgg ccaggctgct aggccTctgt 60
174 gcctggcac ggaagtccgt gcggatggcc agctccagga tgaccgcCc ggacCCGctc 120
175 acaaataagg tggccctggt aacggcctcc accgacggga tcggcttcgc catcgcccgg 180
176 cgTTTggccc aggacaggGC ccacgtggtc gtcaGcagcc ggaAGcagca gaATgtggac 240
177 caggcggTgg ccaCgctgca gggggaggGG ctgagcgtga cgggcaccgt gtGccatgtg 300
178 gggaaaggcgg aggacGGgg gCGGCTggT gCcacggctg tgaagcttca tggaggtatc 360
179 gatatcctag tctccaatgc tgctgtcaac ctttctttg gaagcataat ggatgtcaCT 420
180 gaggaggtgt gggacaAGAC tctggacatt aatgtgaagg ccccagccct gatgacAAAG 480
181 gcagtggTgc cagaAAatggA gaaACgagGA ggcggctcaG tggatgtcgt gtcttccata 540
182 gcagccttca gtccatctcc tggcttcagt ctttacaatg tcagtaaaAC agccttgctg 600
183 ggcctcaaca ataccctggc catagagctg gccccaaAGGA acattaggGT gaactgccta 660
184 gcacctggac ttatcaagac tagcttcAGC agatgtctc ggatggacAA ggaaaaAGAG 720
185 gaaAGcatGA aagaAAACCT gCGGataAAGA aggttaggcg agccAGAGGA ttgtgctggc 780
186 atcgtgtctt tcctgtgctc tgaAGatGCC agctacatCA ctggggAAAC agtggTggTg 840
187 ggtggaggAA ccccgTcccG cctctgagGA ccgggAGAGA gcccACAGGC cagagtggg 900
188 ctctagctcc tggTgctgtt cctgcattca cccactggcc tttcccacct ctgctcacct 960
189 tactgttCAC ctcatCAAAT cagttctGCC ctgtggAAAAG atccAGCCTt ccctGCCGtC 1020
190 aaggTggcgt cttaCTcGGG attcctgtc ttgtgtggc cttgggtaaa ggcctccct 1080
191 gagaACACAG gacAGGcCTg ctgacaAGGC tgagtctacc ttggcaaAGA ccaAGatAtt 1140
192 ttttcctggg ccactggggA atctgaggGG tgatggaga gaagGAACCT ggagtggAAG 1200
193 gacAGAGtT gcaAAAttaAC aacttgcaAA tgaggTgcaA ataaaAtgca gatgattgcg 1260
194 cggctttgaa aaaaaaaaaa 1280
196 <210> SEQ ID NO: 4
197 <211> LENGTH: 1894
198 <212> TYPE: DNA
199 <213> ORGANISM: HOMO SAPIENS
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <223> OTHER INFORMATION: Incyte Clone No: 2060002
205 <400> SEQUENCE: 4
206 ctgcAAGCG aggCAGCCat gtcttatccc gctgatgatt atgagtctGA ggcggcttat 60
207 gaccCCTACG cttaTcccAG cgactatgat atgcacacAG gagatccAA gcaGGACCT 120
208 gcttatGAAC gtcAGTatGA acAGCAAAACC tatcAGGtGA tccctgaggT gatcaAAAC 180
209 ttcatccAGt atttccacAA aactgtctca gatttGATTG accAGAAAGt gtatgagcta 240
210 caggCCAGtC gtgtctccAG tgatgtcatt gaccAGAAGG tgatgagat ccaggACATC 300
211 tatgagaACA gctggACCAA gctgactgAA agattcttca agaatacAcc ttggcccGAG 360
212 gctgaAGCCA ttgtctccACA ggttggcaat gatgctgtct tcctgatTTt atacaAAAGA 420
213 ttataCTACA ggcACATATA tgccAAAGtC agtgggggAC cttccTTGA gcaGAGGTT 480
214 gaatCCTATT ACAACTACTG caatcttCtC aactacattC ttaatGCCGA tggTcTGTCT 540
215 cccCTTGAAC tACCCAAACCA gtggctCTGG gatattatCg atgaggTcat ctaccAGTT 600
216 cagtCattCA gtcAGTACCG ctgtAAAGtC gccaAGAAGt cAGAGGAGGA gattgactt 660

Input Set : A:\pf0559usn_seqlist.txt
Output Set: N:\CRF4\04032003\I743752A.raw

217	cttcgttcca atccaaaat ctggaatgtt catagtgtcc tcaatgtcct tcattccctg	720
218	gtagacaaat ccaacatcaa ccgacagtgc gaggtataca caagcggagg tgaccctgag	780
219	agtgtggctg gggagtttgc gcccactcc ctctacaaa tgcttggtt cttcagcctg	840
220	gtcgggcttc tccgcctgca ctccctgtta ggagattact accaggccat caaggtgtcg	900
221	gagaacatcg aactgaacaa gaagagtatg tattccgtg tgccagatgc ccaggtcacc	960
222	acatactatt atttgggtt tgcatttttgc atgatgcgtc gttaccagga tgccatccgg	1020
223	gtcttcgcca acatcctcct ctacatccag aggaccaaga gcatgttca gaggaccacg	1080
224	tacaagtatg agatgattaa caagcagaat gagcagatgc atgcgtcg gcccattgcc	1140
225	ctcacatgtt accccatgcg tatcgatgag agcattcacc tccagtcgc ggagaaatat	1200
226	ggggacaaga ttttttttttgc gcaaaaaaggat gacccacaag tctatgaaga acttttcagt	1260
227	tactcctgccc ccaagtttctt gtcgcctgtt gtgccttact atgataatgt gcaccccaac	1320
228	taccacaaag agcccttctt gcagcagatgc aaggtgtttt ctgtatgaatgc acagcagcag	1380
229	gccccatgtt caaccatccg cagtttcttgc aagctctaca ccaccatgcc ttggccaag	1440
230	ctggctggctt tcctggacct cacagagcag gagttccggat tccagcttct tgccttcaaa	1500
231	cacaagatga agaacctcggtt gttatctcgatcc ccttggatgg tgaatttcag	1560
232	tcagcctcgtt aggttgcattt ctacattgtt aaggacatgtt tccacatcgc ggacaccaag	1620
233	gtcgccaggc gttatggggat ttttttttttgc cgtcagatcc acaaatttgc ggagcttaat	1680
234	cgaaccctgtt agaagatggggat acagagacatgc ttttttttttgc aaacctttac cttagatcgc	1740
235	ttttgtatgtt ttataggcag gaagttttt tgcgttccgtt aaacctttac cttagatcgc	1800
236	catcagcctgtt tcaactcgtt taacaagttt aaggatcttggagccaga aaaaaaaaaaaaaa	1860
237	aaaggatcttggagccaga aaaaaaaaaaaaaa aaaaa	1894

239 <210> SEQ ID NO: 5

240 <211> LENGTH: 280

241 <212> TYPE: PRT

242 <213> ORGANISM: HOMO SAPIENS

244 <220> FEATURE:

245 <221> NAME/KEY: misc_feature

246 <223> OTHER INFORMATION: GENBANK ID: g1079566

248 <400> SEQUENCE: 5

249	Met Leu Ser Ala Val Ala Arg Gly Tyr Gln Gly Trp Phe His Pro Cys	
250	1 5 10 15	
251	Ala Arg Leu Ser Val Arg Met Ser Ser Thr Gly Ile Asp Arg Lys Gly	
252	20 25 30	
253	Val Leu Ala Asn Arg Val Ala Val Val Thr Gly Ser Thr Ser Gly Ile	
254	35 40 45	
255	Gly Phe Ala Ile Ala Arg Arg Leu Ala Arg Asp Gly Ala His Val Val	
256	50 55 60	
257	Ile Ser Ser Arg Lys Gln Gln Asn Val Asp Arg Ala Met Ala Lys Leu	
258	65 70 75 80	
259	Gln Gly Glu Gly Leu Ser Val Ala Gly Ile Val Cys His Val Gly Lys	
260	85 90 95	
261	Ala Glu Asp Arg Glu Gln Leu Val Ala Lys Ala Leu Glu His Cys Gly	
262	100 105 110	
263	Gly Val Asp Phe Leu Val Cys Ser Ala Gly Val Asn Pro Leu Val Gly	
264	115 120 125	
265	Ser Thr Leu Gly Thr Ser Glu Gln Ile Trp Asp Lys Ile Leu Ser Val	
266	130 135 140	
267	Asn Val Lys Ser Pro Ala Leu Leu Leu Ser Gln Leu Leu Pro Tyr Met	
268	145 150 155 160	

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/743,752A

DATE: 04/03/2003

TIME: 14:25:12

Input Set : A:\pf0559usn_seqlist.txt
Output Set: N:\CRF4\04032003\I743752A.raw

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date